

Operator Wellbore Survey Group

a sub-committee of the ISCWSA

Activity Report for ISCWSA #40

Amsterdam

30 September 2014

Chair: Neil Bergstrom (Devon)

Secretary: Son Pham (ConocoPhillips)

Operator's Wellbore Survey Group (OWSG)

Purpose

- The OWSG provides a forum for wellbore survey specialists (Wellbore Survey Focal Points) from Oil & Gas Companies to discuss technical and safety aspects of wellbore positioning.
- It is not a decision-making body. This is left to each individual company. Recommendations that come out of the OWSG may or may not be adopted by individual companies. It does not imply endorsement by the ISCWSA.
- The OWSG provides a way to explore the issues and sometimes reach a consensus on good practices. It benefits not only the operator community but the service providers to have consistent practices.

OWSG Mission Statement

To promote practices that provide confidence that reported wellbore positions are within their stated uncertainty.

Anti-Trust Statement

(at each meeting)

We are meeting to help develop and promote good practices in wellbore surveying necessary to support oil and gas operations which enhance safety and competition.

The meeting will be conducted in compliance with all laws including the antitrust laws, both state and federal. We will not discuss prices paid to suppliers or charged to customers nor will we endorse or disparage vendors or goods or services, divide markets, or discuss with whom we will or will not do business, nor other specific commercial terms, because these are matters for each company or individual to independently evaluate and determine

OWSG Membership

- More than 60 individual members on e-mailing list
- email OWSG secretary (Son Pham) to be added to the list
- Companies represented include: Anadarko, Apache, BHP Billiton, BOPCO, BP, Brion Energy, Cenovus, Chesapeake, Chevron, Concho, ConocoPhillips, Devon, ExxonMobil, Fram Exploration, Hess, Jones, Laredo, Lewis, Maersk, Oxy, Petrobras, Shell, Southwestern, Statoil, Talisman, Total, XTO

OWSG - Meetings

- Initial meeting April, 2012
- Affiliated with ISCWSA October, 2012
- 10 meetings in Houston
 - plus updates at ISCWSA
- Meetings every few months at a host company
- Hosted to date by Devon, Chevron, ConocoPhillips, BP, Shell, SWN, Talisman, Oxy
- Final product to www.ISCWSA.net
 - minutes, presentations, & deliverables

Recent OWSG Discussions

- OWSG PU (Positional Uncertainty) error models
 - Implementation in commercial software
- Probability of collision calculations
- Magnetic Exclusion zone for MWD
 - Minimum distance to casing
- Allowable Deviation from Plan (ADP)
- TVD Errors and Sag correction methods
- Pedal curve vs. expansion method for separation factors
 - Agreement that expansion method is preferable
- Standardized Survey Operating and Reporting Procedures and Survey QC

Current OWSG Initiatives

- OWSG Standard set of tool error (PU) models
- Recommendations for standardized display and application of declination and convergence
- Wellplanning and wallplot checklists
- Recommendations for good wellbore survey practice
- Standardized data transfer and reporting format moved to OGP – P7 Task force

LinkedIn Group “Petroleum Industry Steering Committee for Wellbore Survey Accuracy”

- Over 1240 members: Membership requires manager approval
 - Managers: Neil Bergstrom, Pete Clark, Son Pham, Carol Mann
- Discussions on operations, equipment, software
 - Example Discussions: Degaussing, testing non-mag collars, smartphone magnetometer apps, survey calculation methods, surface & subsea positioning, links & materials of interest, meeting announcements, QC limits, Tool Codes, Pass/Fail criteria for shop tests, geomagnetic storms
- Membership is encouraged for anyone involved in the wellbore positioning business.
- Opinions expressed are those of the members doing the posting and not of the ISCWSA as a group
- Please participate for the improvement of the community.